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	Application No.	Applicant(s)			
Notice of Allowability	09/936,992	KONDO ET AL.	(``)		
	Examiner	Art Unit			
	Thomas H Parsons	1745			
The MAILING DATE of this communication appears on the cover sheet with the correspondenc address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.					
 This communication is responsive to the application filed 27 December 2001. The allowed claim(s) is/are 1-15. The drawings filed on 27 December 2001 are accepted by the Examiner. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). All Some* None None Certified copies of the priority documents have been received. 					
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 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this national stage application from the 					
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.					
(a) The translation of the foreign language provisional application has been received.					
6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
8. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No					
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.					
(c) 🔲 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).					
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
1⊠ Notice of References Cited (PTO-892)	5☐ Notice of Informal Pat	ent Application (PTO-	152)		
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	6☐ Interview Summary (P	TO-413), Paper No	·		
3⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No	7 Examiner's Amendment/Comment				
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statement 9□ Other	of Reasons for Allowa	ance		

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

U.S. patent No. 5,652,497 issued to Boivie on 29 July 1997 discloses a first step of causing a pulsating direct current to flow from a positive electrode toward a negative electrode for thereby reducing the leas sulfate deposited on the surface of the electrode.

U.S. Patent No 5,677,075 Issued to Fujita on 14 October 1997 and JP9-45379 issued to Kenichi on 14 February 1997 disclose a second step of activating the positive electrode through an electrochemical doping in which a direct current voltage is applied to the battery with a carbon suspension being used as a battery electrolyte, the carbon suspension being obtained by electrolytic oxidation of a carbon positive electrode in a water system.

However, neither of the references, alone or in combination, reveal or explicitly teach the instantly claimed combination of steps.

Therefore, a search of the prior art of record failed to reveal or explicitly teach, alone or in combination, what is instantly claimed: in particular,

A method of recycling a lead-acid storage battery, to recover a capacity of the battery which has been reduced due to deposition of a lead sulfate on a surface of an electrode of the battery, the method comprising: a first step of causing a pulsating direct current to flow from a positive electrode toward a negative electrode for thereby reducing the leas sulfate deposited on the surface of the electrode, and a second step of activating the positive electrode through an electrochemical doping in which a direct current voltage is applied to the battery with a carbon

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suspension being used as a battery electrolyte, the carbon suspension being obtained by electrolytic oxidation of a carbon positive electrode in a water system.

For this reason, claim 1 and claims 2-15, which are dependent thereon, are patentably distinct from the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas H Parsons whose telephone number is (703) 306-9072. The examiner can normally be reached on M-F (7:00-4:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on (703) 308-2383. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Thomas H Parsons Examiner Art Unit 1745
